**R&D projects on hyderogen energy**

*106. SHRI R.P. GOENKA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is fact that a plan has been formulated to support some R&D projects, recommended by the National Hydrogen Energy Board, on different aspects of hydrogen energy, including production, storage and utilization of hydrogen as a fuel; and

(b) if so, the details thereof, including the time-frame fixed and financial allocations made, project-wise?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) and (b) In view of the importance of hydrogen as a major source of energy in the coming years, the Ministry has constituted a National Hydrogen Energy Board, which has high level representation from Government, industry, academic institutions and experts. The Board will provide guidance for the preparation and implementation of the National Hydrogen Energy Road Map and Programme covering different aspects of Hydrogen Energy including production, storage and utilization as a fuel. The Board is meeting regularly to discuss various aspects of hydrogen energy with industry, research groups, experts and concerned Government Departments/ Agencies. In this connect outline of some proposals on hydrogen production and applications were presented before the last meeting of the National Hydrogen Energy Board. However, no specific plan has been prepared so far in this regard.

**Assistance to Orissa for relief system in natural calamities**

*107. SHRI B.J. PANDA:
MS. PRAMILA BOHIDAR:

Will the Minister of HOME AFFAIRS be pleased to state:

(a) whether Government are aware that Orissa proposes to develop permanent relief system during natural calamities to control casualities and other damages;

(b) if so, the details of the project;